EOSDIS Core System Project

M&O Procedures
Section 26—SSI&T Operating Procedures

Interim Update

February 2001

Raytheon Company
Upper Marlboro, Maryland

Preface

This document is an interim update to the Mission Operations Procedures Manual for the ECS Project, document number 611-CD-510-001. This document has not been submitted to NASA for approval, and should be considered unofficial.

This section 26.11.7.6 through 26.11.10.1 addresses a number of new innovations including the removal of ESDTs using the Command Line. This section has been created to meet The Science System Release Plan 5B and replaces section 26.11.5 of 611-CD-510-001.

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26.11.5 Browser to View ECS Science SDSRV Database

1   Connect to the **SDSRV (P0acs03)** database with login information as follows:

        Server Name: **p0acg01_srvr**

        User Name: **sdsrv_role**

        Password: **welcome**

1   The Browser lets you view all the tables in the **SDSRV** database with the mode you have selected. Example**: <EcDsscienceDataserver1_TS1**> for the PVC.

26.11.5.1 Using isql commands in the SDSRV
1. **ssh p0acs03**
2. **Password:**
3. **Isql -Usdsrv_role -Pwelcome -p0acg01_srvr**
4. **1> use EcDsScienceDataserver1**
5. **2>go**
6. **3>select * from <choose table_name>**
7. **4>go**

26.11.5.2 wisqlite is an isql Browser to View ECS Data Bases
1. login: **ssh p0pls02**
2. **cd /tools/tcl/bin**
3. Execute: **wisqlite &**
4. User ID: **pdps_role**
5. PW: **welcome**
6. Select server_name by clicking on Server button p0pls01_srvr
7. Select: **Sign on**
8. Enter: **pdps, objects, tables**
9. **Select * from <table your choice>**

26.11.5.3 Tables to Track .met files

The following tables are useful to track down the problems in insert ***.met**:

1   DsDeDictionaryAttribute

2   DsMdAddtionalAttributes

3   DsMdCollections - View with ECS Assistant only

4   DsMdGranules - View with ECS Assistant only

26.11.6 Removing ESDT's from Archive Area using Command Line Scripts

26.11.6.1 Removing ESDT's using Command Line Script Procedures:

1 **telnet** to (SDSRV) **p0acs03**[e.g.]

2 **login:, password**: <log into cmshared>

3 **cd /usr/ecs/TS1/CUSTOM/local**

4 Run script: **cleanesdt.csh <descriptor_file_name>**

- The ESDT will be removed from all four servers, SDSRV, SUBSRV, ADSRVR & DDICT. Check SDSRV Gui to see if removal was successful.

5 Now you have to log into each server and bring each of the four servers mentioned above, down by using the **KILL Script** and the **START Script** that have been specifically taylored for each server at the path identifed below in each subsystem:

cd/home/cmshared/bin/

- **SDSRV you are already on, p0acs03, SBSRV is on p0ins01, ADSRV & DDIC are both on p0ins02.**

26.11.6.2 Staging ESDT's for Installation

1 Copy into a directory from which the Science Data Server will use to bring ESDT's into the Science Data Server Data Base

2 Once you have the descriptor file copied into <your_directory> in the **p0ins01** machine, you have to login into **p0acs03** and copy the file into **/usr/ecs/TS1/CUSTOM/data/ESS** directory. To do this, log into **p0acs03.** From the directory **/usr/ecs/TS1/CUSTOM/data/ESS,** Type command,
 cp /home/your_directory/ESDTs/filename .
 (Where /home/your_directory/ESDTs is the directory into which you stored the descriptor file.)
Now you have the copy of the latest descriptor file in the **ESS** directory.

26.11.7 Installing ESDT's using the Science Data Server GUI

Procedures:

1 **telnet** to (SDSRV) **p0acs03**[e.g.]

2 **login:, password**: <always log into **cmshared**> to enable use of isql commands and to bring servers up and down.

3 **cd /usr/ecs/TS1/CUSTOM/utilities**

4 If an ESDT has to be removed before replacing it, run script: **cleanesdt.csh <descriptor_file_name>**

- The ESDT will be removed from all four servers, SDSRV, SUBSRV, ADSRVR & DDICT. Check SDSRV Gui to see if removal was successful.

5 Now you have to log into each server and bring each of the four servers mentioned above, **down** by using the **KILL Script** and the **START Script** that have been specifically taylored for each server at the path identifed below in each subsystem:

   cd/home/cmshared/bin/

- **SDSRV is on, p0acs03, SBSRV is on p0ins01, ADSRV & DDICT are on p0ins02.**

6 Once you know that all the 4 Science Data Servers are down, then log into **p0acs03** machine, go to directory **/usr/ecs/TS1/CUSTOM/utilities** and execute command

   EcDsScienceDataServerStart TS1 StartTemperature cold

   (This script will bring up the four Data Servers.)

- Then check the status of the servers by using a Server Monitor GUI WHAZZUP. Once all the servers are up, then you can start installing the ESDT.

7 From **p0acs 03,** go to the directory, **/usr/ecs/TS1/CUSTOM/utilities,** type command:

   EcDsSdSrvGuiStart TS1

The Science Data Server GUI will be brought up. You will see the list of already installed ESDTs there. To add new one, click on the **Add** button. You will get the **Add ESDT** window. This window is pointing to: **/usr/ecs/TS1/CUSTOM/data/ESS** where ESDT's have been staged. Click on the **File** button to select the descriptor file. Select the correct .desc file and click on **OK**. Enter ArchiveID as **DRP1_TS1.** Click on **OK**. Wait and check the message at the bottom of the window. You will see message – **Successfully added**…Click the **Refresh** button and you will see recently added ESDT into the list.

26.11.7.1 Re-install or Update ESDT's using the Science Data Server GUI

- Only the Science Data Server (SDSRV) needs to be brought down/up using the Kill and Start scripts before doing step 4 below.

Procedures:

Note: If SDSRV is already running, you will have to Kill it first and then bring it up in the **maintenance mode**.

1 **telnet** to (SDSRV) **p0acs03**[e.g.]

2 **login:, password**:

3 **cd /usr/ecs/TS1/CUSTOM/utilities**

(Log into the (SDSRV) using **Maintenance Mode.** This locks out other users while

the data base is being update with ESDT's.)

4 Execute command :

EcDsScienceDataServerStart TS1 StartTemperature maintenance

(This script will bring up the Science Data Server.)

- Then check the status of the SDSRV using a Server Monitor GUI **WHAZZUP**. Once all the servers are up, then you can start installing the ESDT.

5 From **p0acs 03,** go to the directory, **/usr/ecs/TS1/CUSTOM/utilities,** type command:

EcDsSdSrvGuiStart TS1

6 The Science Data Server GUI will be brought up. You will see the list of already installed ESDTs there. To **Update** a ESDT, click on the Update button. You will get the **Update ESDT** window.
(This window is pointing to: **/usr/ecs/TS1/CUSTOM/data/ESS** where ESDT's have been staged.)

7 Click on the **File** button to select the descriptor file. Select the correct .desc file and click on **OK**. Enter ArchiveID as **DRP1_TS1.** Click on **OK**. Wait and check the message at the bottom of the window. You will see message – **Successfully added**…Click the **Refresh** button and you will see recently added ESDT into the list.